

2013 Russian River Flows Temporary Urgency Change Order

Presentation to
Sweetwater Springs Water
District Board

June 6, 2013



2013 Conditions & TUC Terms

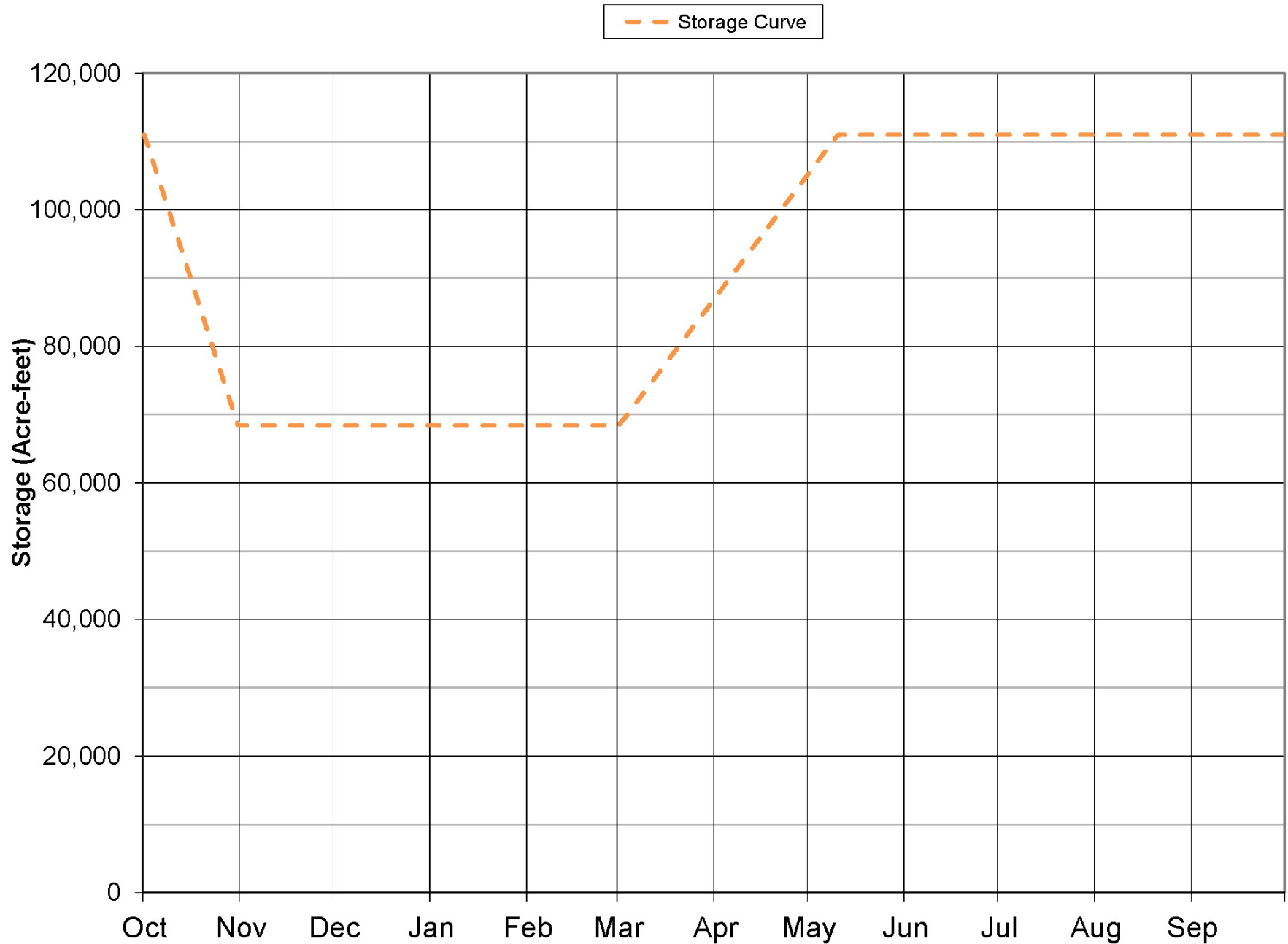
Pam Jeane

Assistant General Manager, Operations

pam.jeane@scwa.ca.gov

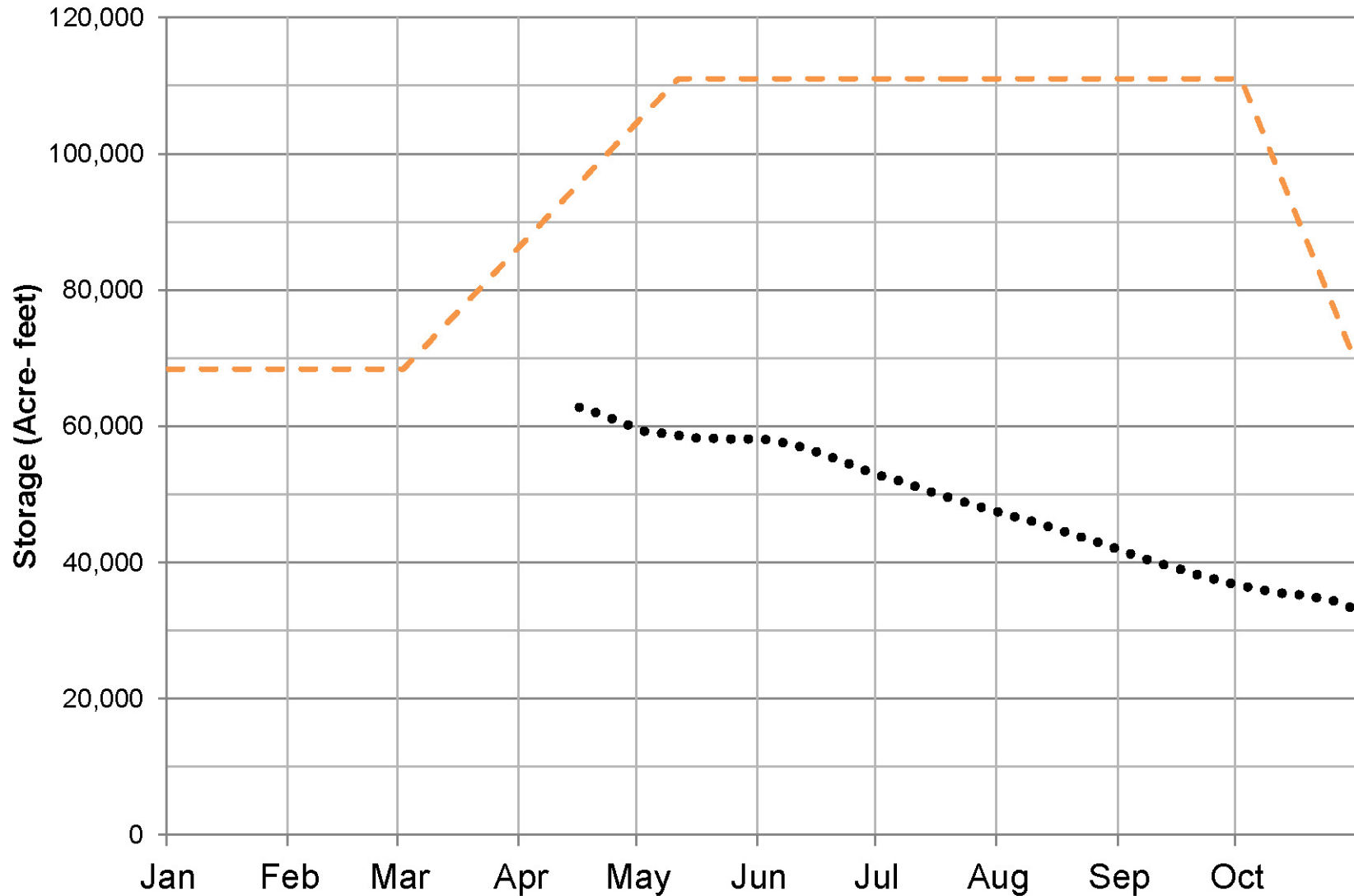


Lake Mendocino 2012 & 2013 Storage Comparison



Lake Mendocino 2013 Critical Storage Curve

•••• 2013 Critical Storage Curve - - - - Storage Curve



2013 TUC Order Terms

- May 1 – June 30
 - Upper river minimum flows, 75 cfs
 - Lower river minimum flows, 85 cfs
- July 1 – October 28
 - Same as above, **UNLESS** storage drops below **critical curve**, then:
 - Upper river minimum flows, 25 cfs
 - Lower river minimum flows, 50 cfs



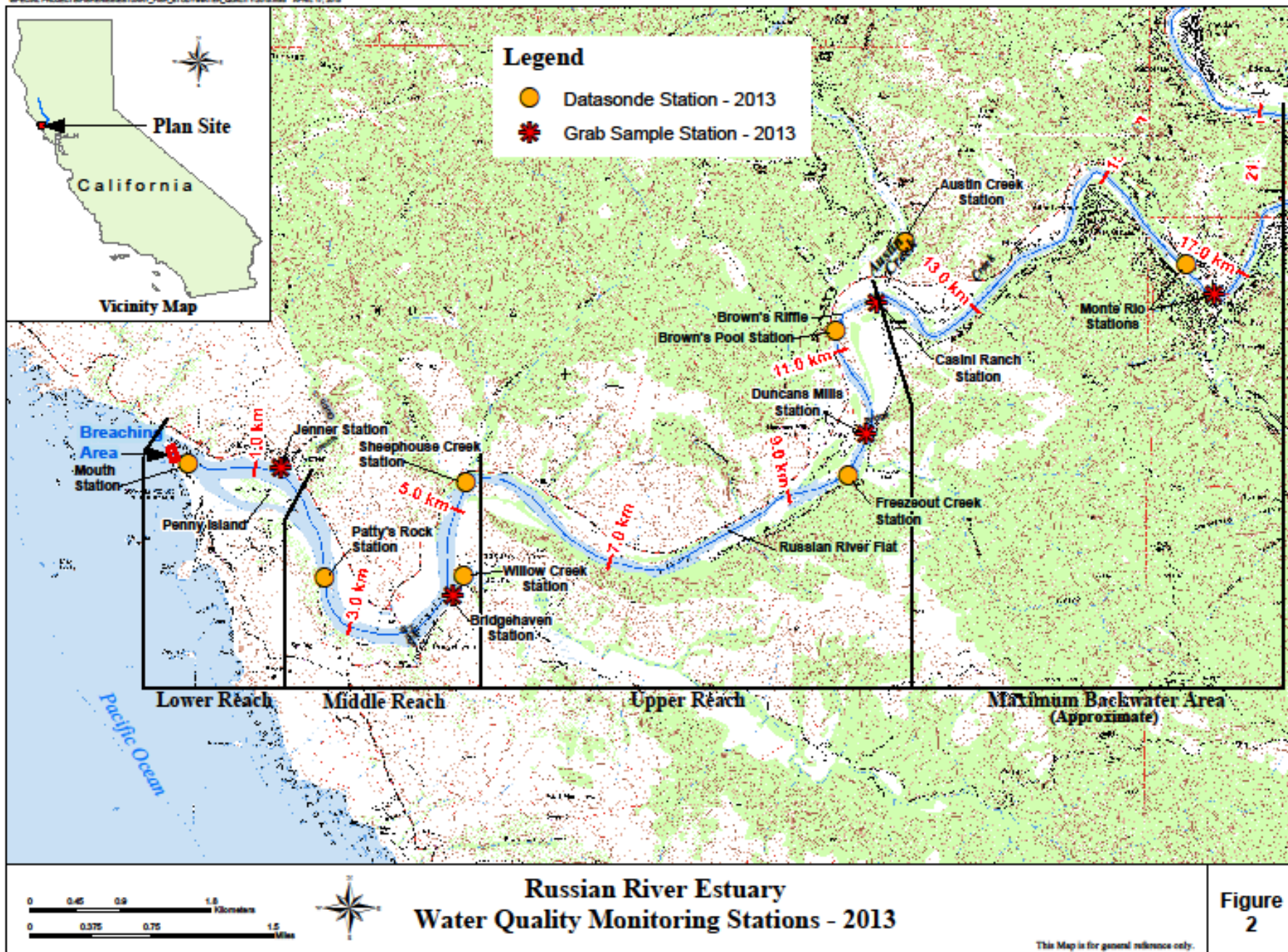
2013 Water Quality Monitoring

Jeff Church

Senior Environmental Specialist

jeff.church@scwa.ca.gov





2013 Water Quality Monitoring

- Datasonde monitoring:
 - Temperature
 - Dissolved Oxygen
 - pH
 - Specific Conductance
 - Salinity (Estuary)
 - Depth



2013 Water Quality Monitoring

- **Grab Samples:**
 - Nitrogen (total; total organic; ammonia as nitrogen; nitrate as nitrogen; nitrite as nitrogen; ammonia, unionized)
 - Turbidity
 - Organic Carbon, dissolved & total
 - Phosphorus (total & orthophosphate)
 - Chlorophyll (a)
 - Enterococci
 - E. coli



Russian River Water Quality Information

- Sonoma County Department of Public Health
 - www.sonoma-county.org/health/services/freshwater.asp
- North Coast Regional Water Quality Control Board
- Sonoma County Water Agency
 - www.sonomacountywater.org



2013 Fisheries Monitoring

Justin Smith

Environmental Specialist

Justin.smith@scwa.ca.gov



Juvenile Salmonid Monitoring: Downstream Migrant Trapping



Juvenile Steelhead Monitoring: Dive Survey



Adult Chinook Monitoring: Passage Survey



Adult Chinook Monitoring: Video Counts

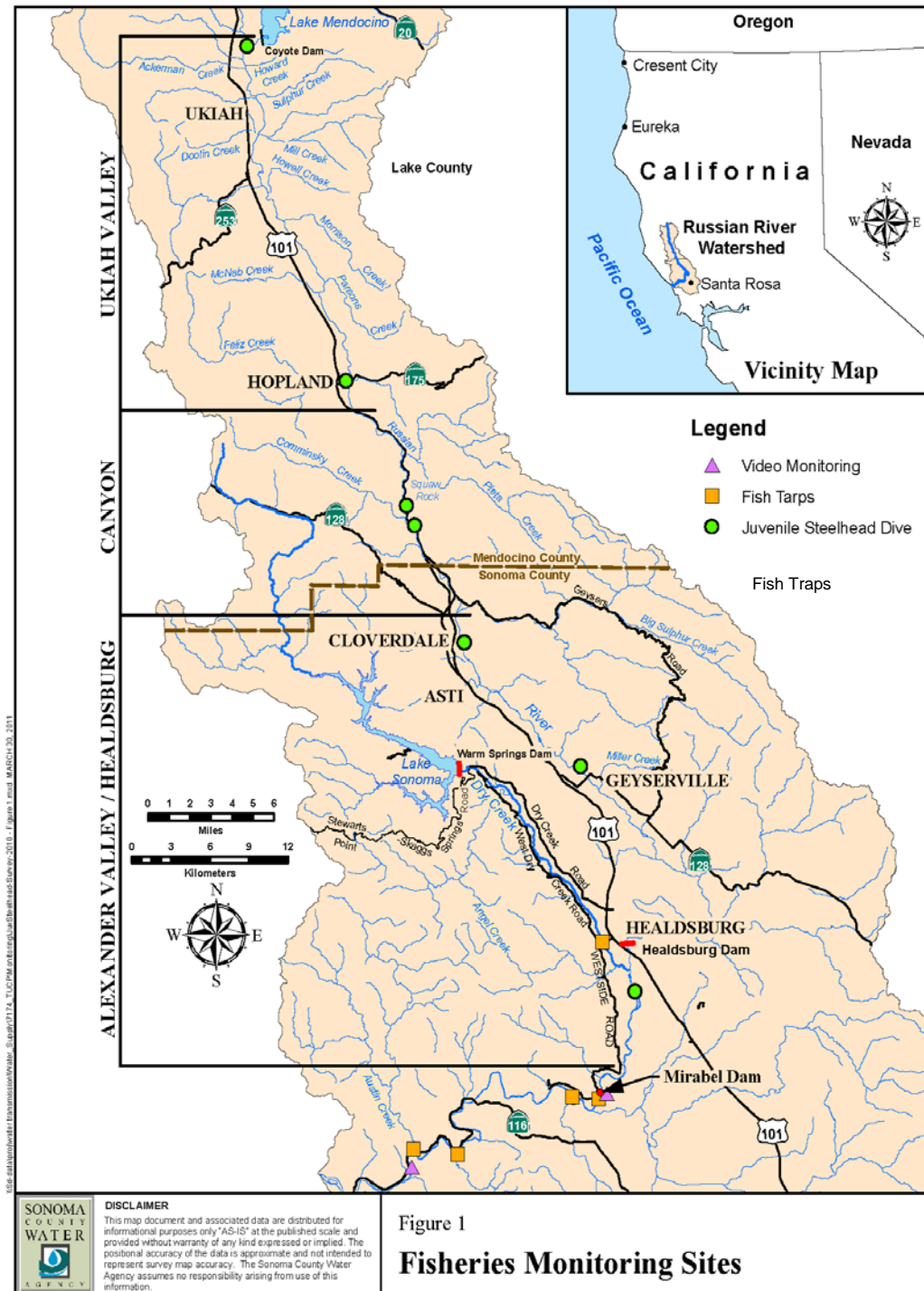


Adult Chinook Monitoring: Lower River Dive Surveys



Adult Chinook Monitoring: Upper River Dive Surveys





Reporting



STATE WATER RESOURCES CONTROL BOARD'S

*Temporary Order for the Russian River
Fisheries and Flow Update*



Highlights

The Water Agency has installed downstream migrant traps at Austin Creek, Dutch Bill Creek, Mark West Creek, on the Main-stem Russian River at Mirabel, and in Dry Creek.



RESULTS OF THE FISHERIES MONITORING PLAN FOR THE SONOMA COUNTY WATER AGENCY 2012 TEMPORARY URGENCY CHANGE (TUC)



April 1, 2013

Sonoma County Water Agency
404 Aviation Blvd.
Santa Rosa, CA 95403



2013 Conservation & Outreach

Ann DuBay

Principal Program Specialist

ann.dubay@scwa.ca.gov



TUC Conservation Terms

- Term 16
 - Report on water use efficiency
 - Maximum Applied Water Allowance
- Term 17
 - Long term reliability of Lake Mendocino

Highlights

- 340,607 square feet of lawn removed through turf conversion programs

Enough to cover nearly six professional football fields



Highlights

- 23,696,000 gallons of water per year saved through sustained reduction programs

Enough to fill nearly 36 Olympic swimming pools



Highlights

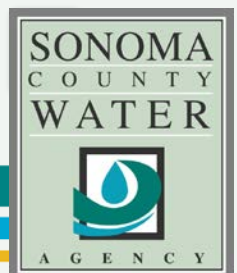
- 5,801 students received direct instruction from Water Education Program staff



Expenditures

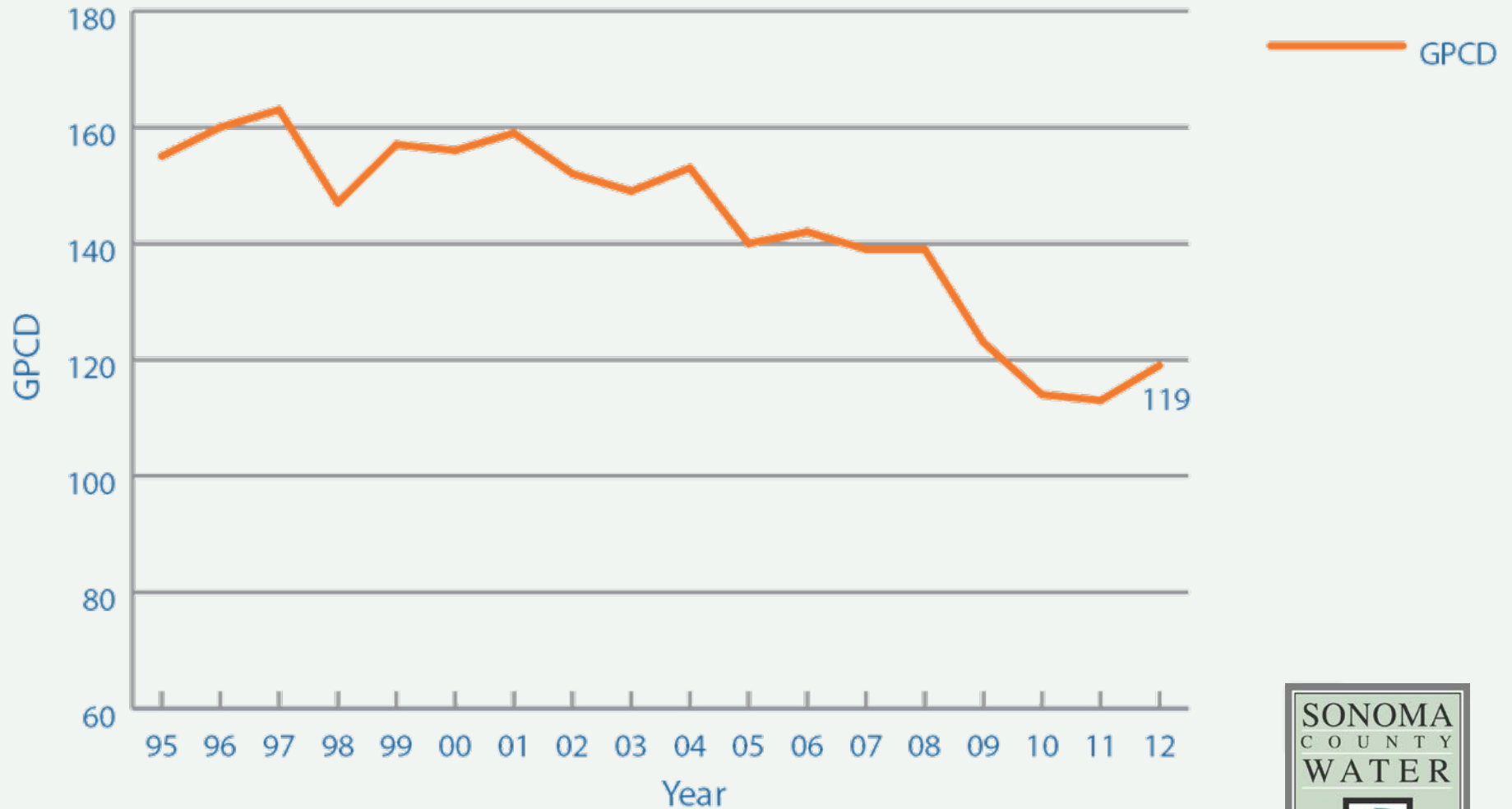
Program Expenditures (in thousands of dollars)

	City of Cotati	Marin Municipal Water District	North Marin Water District	City of Petaluma	City of Rohnert Park	City of Santa Rosa	City of Sonoma	Valley of the Moon Water District	Town of Windsor	Sonoma County Water Agency	Regional Total
FY 09-10	\$74	\$2,500	\$479	\$528	\$13	\$1,883	\$168	\$239	\$235	\$1,583	\$7,701
FY 10-11	\$107	\$1,900	\$383	\$657	\$17	\$1,221	\$137	\$120	\$158	\$1,573	\$6,220
FY 11-12	\$115	\$1,900	\$270	\$638	\$21	\$909	\$117	\$75	\$243	\$1,505	\$5,794
Minimum	\$25	\$177	\$241	\$242	\$120	\$557	\$55	\$72	\$10	NA	\$1,500



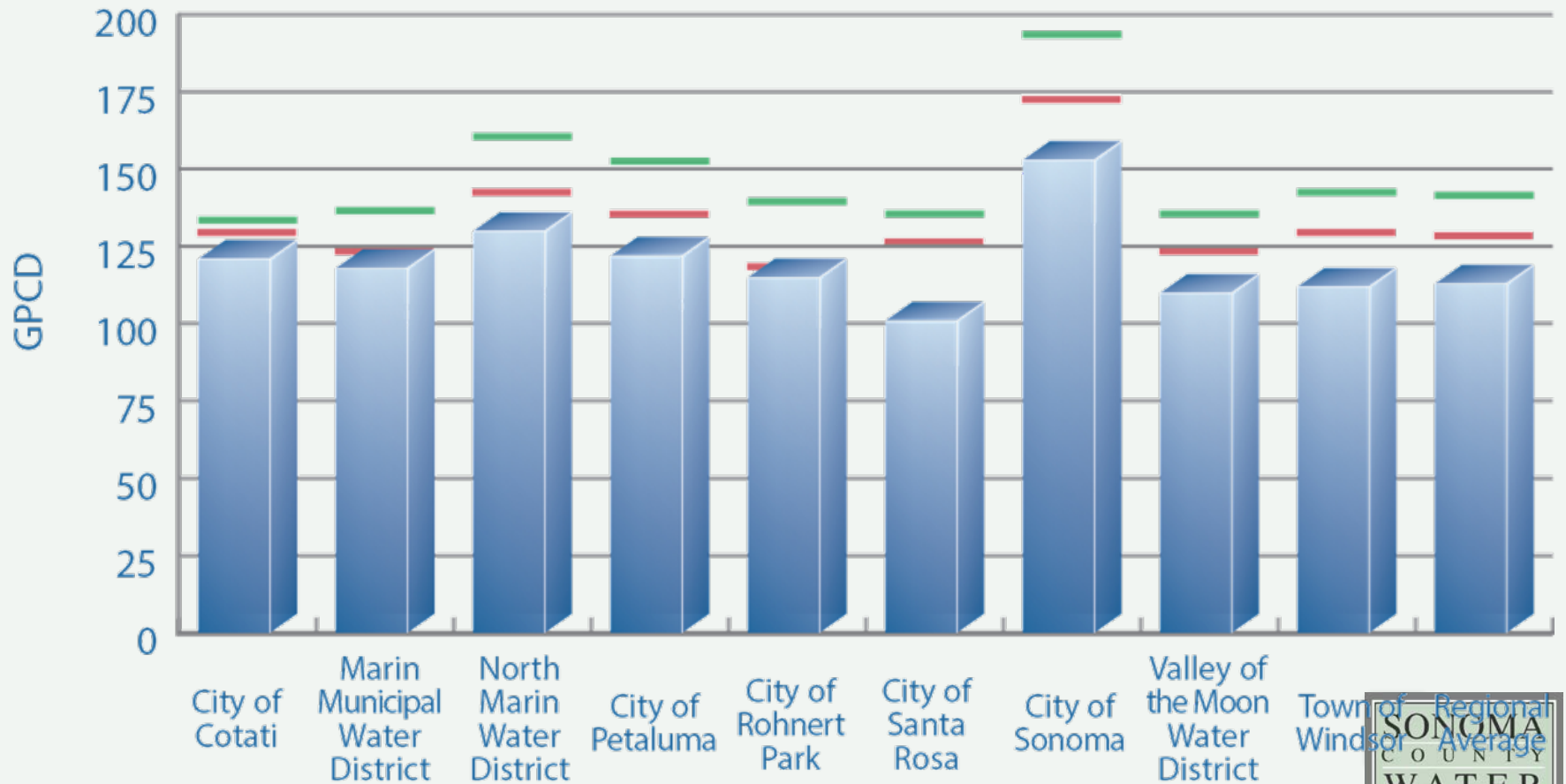
Regional GPCD

Regional Gallons per Capita per Day (GPCD) Usage



20 x 2020 Goals

2012 GPCD and 20 x 2020 Goals



2013 Additional Outreach



Es un año seco, toma el

20 GALLON CHALLENGE

Toma el Reto de los 20 Galones y ayuda en el ahorro de NUESTRA AGUA durante los CALIENTES meses de verano.

Al reducir el consumo de agua a 20 galones por persona por DIA, tu puedes ayudar a conservar el suministro de agua de nuestra comunidad.

El ahorrar 20 galones de agua al día es fácil. Cambios simples hacen una gran diferencia. Ve los siguientes consejos y visita nuestro sitio web para ver un menú completo de opciones.



Repara las llaves/grifos con fugas
Ahorras de 15-20 galones por día por fuga reparada



Cierra la llave/grifo al lavarte los dientes
Ahorra: 8 galones por día

Riega sólo en la noche o temprano por la mañana para reducir la evaporación y la interferencia del viento
Ahorra: de 20-25 galones por día



Reduce el tiempo de riego de 1 a 3 minutos o elimina un ciclo de riego por semana
Ahorra: de 100-165 galones por día

TOMA EL RETO.

¡Participa y gana premios para la EFICIENCIA DE AGUA cada mes!



¿Cómo puedes participar?
Visita o échale un vistazo al sitio
www.20gallons.org



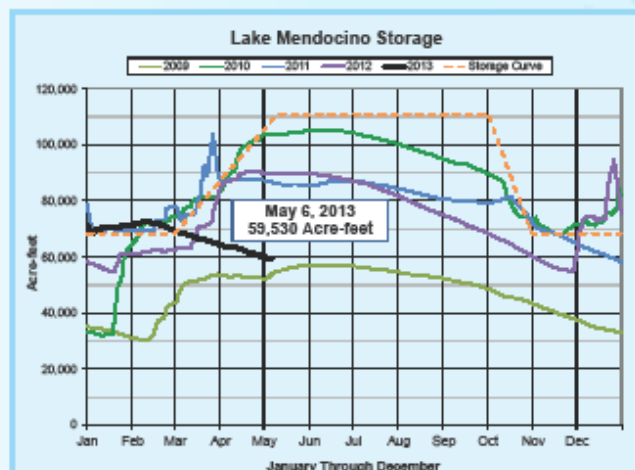
**Lake Mendocino is LOW this year...
don't forget, less is MORE!**

20 GALLON CHALLENGE

Take the 20-Gallon Challenge and help **SAVE OUR WATER** during the **HOT** summer months. By reducing water use by 20 gallons per person per DAY, you can help protect Lake Mendocino.

Saving 20-gallons a day is easier than you might think.

Simple changes can make a big difference. See the tips on the 20 Gallon Challenge website for a full menu of ideas.



**Take the challenge.
Enter to win
WATER EFFICIENT
prizes every month!**



To enter and for complete contest rules go to
www.20gallons.org





1 A little birdie saw water waste in your yard...

20
GALLON
CHALLENGE

3

2

Use the list on the back to help fix it.
Take the 20-Gallon Challenge at www.20gallons.org!

4

QUESTIONS?

